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Varadi et al.

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(54) **APPARATUS FOR TREATING A WASTE STREAM**

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210/96.1, 718, 522, 532.1, DIG. 5; 422/139,
422/140, 149, 187, 604, 606, 608, 609, 630,
422/224, 228

(75) Inventors: **Tom Varadi**, Houston, TX (US);
Marie-Cecile Medine, Houston, TX
(US); **Arturo Ramon Puigbo**, Pearland,
TX (US); **Ramiro G. Vazquez**, Houston,
TX (US)

See application file for complete search history.

(73) Assignee: **Merichem Company**, Houston, TX
(US)

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patent is extended or adjusted under 35
U.S.C. 154(b) by 252 days.

This patent is subject to a terminal dis-
claimer.

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(52) **U.S. Cl.** **210/708**; 210/743; 210/750; 210/96.1;
210/143; 210/188; 210/202; 210/205; 210/218;
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Primary Examiner — Lucas Stelling

(74) *Attorney, Agent, or Firm* — McDonnell Boehnen
Hulbert & Berghoff LLP

(57) **ABSTRACT**

An integrated unit operations for the treatment of a waste
stream, such as spent caustic, is provided in a single vertical
vessel having at least three separate zones: a mixing, a set-
tling, and a mass transfer zone.

7 Claims, 1 Drawing Sheet

